#### Claims

What is claimed is:

### 1. A compound having the formula:

$$\mathbb{R}^2$$
  $\mathbb{R}^1$ 

wherein,

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Each R<sup>1</sup> and R<sup>2</sup> is independently R<sup>3</sup>; R<sup>8</sup>; NHR<sup>3</sup>; NHR<sup>5</sup>; NHR<sup>6</sup>; NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>R<sup>6</sup>; SR<sup>5</sup>; SR<sup>6</sup>; SR<sup>3</sup>; OR<sup>5</sup>; OR<sup>6</sup>; OR<sup>3</sup>; C(O)R<sup>3</sup>; heterocyclyl optionally substituted with 1-4 independent R<sup>4</sup> on each ring; or C1-C10 alkyl substituted with 1-4 independent R<sup>4</sup>;

Each  $R^3$  is independently aryl; phenyl optionally substituted with 1-5 independent  $R^4$  on each ring; or heteroaryl optionally substituted with 1-4 independent  $R^4$  on each ring;

Each n is independently 1 or 2;

Each m is independently 0, 1, 2, 3, or 4;

Each R<sup>4</sup> is independently selected from H, C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; aryl; R<sup>8</sup>; halo; haloalkyl; CF<sub>3</sub>; SR<sup>5</sup>; OR<sup>5</sup>; OC(O)R<sup>5</sup>; NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>R<sup>6</sup>; NR<sup>5</sup>R<sup>6</sup>; NR<sup>5</sup>R<sup>16</sup>; COOR<sup>5</sup>; NO<sub>2</sub>; CN; C(O)R<sup>5</sup>; C(O)C(O)R<sup>5</sup>; C(O)NR<sup>5</sup>R<sup>5</sup>; S(O)<sub>n</sub>R<sup>5</sup>: S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)C(O)R<sup>5</sup>; NR<sup>5</sup>C(O)R<sup>8</sup>; NR<sup>5</sup>C(O)R<sup>8</sup>; NR<sup>5</sup>S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>8</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>8</sup>; NR<sup>5</sup>C(O)C(O)NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)C(O)NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)C(O)NR<sup>5</sup>R<sup>5</sup>; OS(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>OR<sup>5</sup>; P(O)(OR<sup>5</sup>)<sub>2</sub>; C1-C10 alkyl substituted with 1-3 independent aryl, R<sup>7</sup> or R<sup>8</sup>; or C2-C10 alkenyl substituted with 1-3 independent aryl, R<sup>7</sup> or R<sup>8</sup>;

Each R<sup>5</sup> is independently H; C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; aryl; R<sup>9</sup>; haloalkyl; C1-C10 alkyl substituted with 1-3 independent aryl, R<sup>7</sup> or R<sup>9</sup> groups; C3-C10 cycloalkyl substituted

with 1-3 independent aryl, R<sup>7</sup> or R<sup>9</sup> groups; or C2-C10 alkenyl substituted with 1-3 independent aryl, R<sup>7</sup> or R<sup>9</sup>;

Each  $R^6$  is independently  $C(O)R^5$ ,  $COOR^5$ ,  $C(O)NR^5R^5$ ,  $C(N R^5) NR^5R^5$ , or  $S(O)_n R^5$ ;

Each  $R^7$  is independently halo,  $CF_3$ ,  $SR^{10}$ ,  $OR^{10}$ ,  $OC(O)R^{10}$ ,  $NR^{10}R^{10}$ ,  $NR^{10}R^{10}$ ,  $NR^{10}R^{11}$ ,  $NR^{11}R^{11}$ ,  $COOR^{10}$ ,  $NO_2$ , CN,  $C(O)R^{10}$ ,  $OC(O)NR^{10}R^{10}$ ,  $C(O)NR^{10}R^{10}$ ,  $N(R^{10})C(O)R^{10}$ ,  $N(R^{10})$  ( $COOR^{10}$ ),  $S(O)_nNR^{10}R^{10}$ ;  $NR^{10}S(O)_nNR^{10}R^{10}$ ;  $NR^{10}S(O)_nR^{10}$ ; or  $P(O)(OR^5)_2$ ;

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Each R<sup>8</sup> is independently a 3-8 membered monocyclic, 7-12 membered bicyclic, or 11-14 membered tricyclic ring system comprising 1-3 heteroatoms if monocyclic, 1-6 heteroatoms if bicyclic, or 1-9 heteroatoms if tricyclic, said heteroatoms independently selected from O, N, or S, which may be saturated or unsaturated, and wherein 0, 1, 2, 3 or 4 atoms of each ring may be substituted by a substituent independently selected from C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; aryl; R<sup>9</sup>; halo; sulfur; oxygen; CF<sub>3</sub>; SR<sup>5</sup>; OR<sup>5</sup>; OC(O)R<sup>5</sup>; NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>R<sup>6</sup>; NR<sup>6</sup>R<sup>6</sup>; COOR<sup>5</sup>; NO<sub>2</sub>; CN; C(O)R<sup>5</sup>; C(O)NR<sup>5</sup>R<sup>5</sup>; S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)R<sup>9</sup>; NR<sup>5</sup>S(O)<sub>n</sub>NR<sup>5</sup>S<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>9</sup>; C1-C10 alkyl substituted with 1-3 independent R<sup>7</sup>, R<sup>9</sup> or aryl; or C2-C10 alkenyl substituted with 1-3 independent R<sup>7</sup>, R<sup>9</sup> or aryl;

Each R<sup>9</sup> is independently a 3-8 membered monocyclic, 7-12 membered bicyclic, or 11-14 membered tricyclic ring system comprising 1-3 heteroatoms if monocyclic, 1-6 heteroatoms if bicyclic, or 1-9 heteroatoms if tricyclic, said heteroatoms independently selected from O, N, or S, which may be saturated or unsaturated, and wherein 0, 1, 2 or 3 atoms of each ring may be substituted by a substituent independently selected from C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; halo; sulfur; oxygen; CF<sub>3</sub>; haloalkyl; SR<sup>10</sup>; OR<sup>10</sup>; NR<sup>10</sup>R<sup>10</sup>; NR<sup>10</sup>R<sup>11</sup>; NR<sup>11</sup>R<sup>11</sup>; COOR<sup>10</sup>; NO<sub>2</sub>; CN; C(O)R<sup>10</sup>; S(O)<sub>n</sub>R<sup>10</sup>; S(O)<sub>n</sub>NR<sup>10</sup>R<sup>10</sup>; or C(O)NR<sup>10</sup>R<sup>10</sup>;

Each R<sup>10</sup> is independently H; C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; haloalkyl; C1-C10 alkyl optionally substituted with 1-3 independent C1-C10 alkyl, C2-C10 alkenyl, C2-C10 alkynyl, C3-

C10 cycloalkyl, C4-C10 cycloalkenyl, halo, CF<sub>3</sub>, OR<sup>12</sup>, SR<sup>12</sup>, NR<sup>12</sup>R<sup>12</sup>, COOR<sup>12</sup>, NO<sub>2</sub>, CN, C(O)R<sup>12</sup>, C(O)NR<sup>12</sup>R<sup>12</sup>, NR<sup>12</sup>C(O)R<sup>12</sup>, N(R<sup>12</sup>)(COOR<sup>12</sup>), S(O)<sub>n</sub>NR<sup>12</sup>R<sup>12</sup>, or OC(O)R<sup>12</sup>; or phenyl optionally substituted with 1-3 independent C1-C10 alkyl, C2-C10 alkenyl, C2-C10 alkynyl, C3-C10 cycloalkyl, C4-C10 cycloalkenyl, halo, CF<sub>3</sub>, OR<sup>12</sup>, SR<sup>12</sup>, NR<sup>12</sup>R<sup>12</sup>, COOR<sup>12</sup>, NO<sub>2</sub>, CN, C(O)R<sup>12</sup>, C(O)NR<sup>12</sup>R<sup>12</sup>, NR<sup>12</sup>C(O)R<sup>12</sup>, N(R<sup>12</sup>)(COOR<sup>12</sup>), S(O)<sub>n</sub>NR<sup>12</sup>R<sup>12</sup>, or OC(O)R<sup>12</sup>;

Each  $R^{11}$  is independently  $C(O)R^{10}$ ,  $COOR^{10}$ ,  $C(O)NR^{10}R^{10}$  or  $S(O)_nR^{10}$ ; Each  $R^{12}$  is independently H; C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; C1-C10 alkyl substituted with 1-3 independent C2-C10 alkenyl, C2-C10 alkynyl, C3-C10 cycloalkyl, C4-C10 cycloalkenyl, halo, CF<sub>3</sub>,  $OR^{13}$ ,  $SR^{13}$ ,  $NR^{13}R^{13}$ ,  $COOR^{13}$ ,  $NO_2$ , CN,  $C(O)R^{13}$ ,  $C(O)NR^{13}R^{13}$ ,  $NR^{13}C(O)R^{13}$ , or  $OC(O)R^{13}$ ; or phenyl optionally substituted with 1-3 independent C1-C10 alkyl, C2-C10 alkenyl, C2-C10 alkynyl, C3-C10 cycloalkyl, C4-C10 cycloalkenyl, halo, CF<sub>3</sub>,  $OR^{13}$ ,  $SR^{13}$ ,  $NR^{13}R^{13}$ ,  $COOR^{13}$ ,  $NO_2$ , CN,  $C(O)R^{13}$ ,  $C(O)NR^{13}R^{13}$ ,  $NR^{13}C(O)R^{13}$ , or  $OC(O)R^{13}$ ;

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Each R<sup>13</sup> is independently H; C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; C1-C10 alkyl optionally substituted with halo, CF<sub>3</sub>, OR<sup>14</sup>, SR<sup>14</sup>, NR<sup>14</sup>R<sup>14</sup>, COOR<sup>14</sup>, NO<sub>2</sub>, CN; or phenyl optionally substituted with halo, CF<sub>3</sub>, OR<sup>14</sup>, SR<sup>14</sup>, NR<sup>14</sup>R<sup>14</sup>, COOR<sup>14</sup>, NO<sub>2</sub>, CN;

Each R<sup>14</sup> is independently H; C1-C10 alkyl; C3-C10 cycloalkyl or phenyl; Each R<sup>15</sup> is independently H; CF<sub>3</sub>; CN; COOR<sup>5</sup>; or C1-C10 alkyl

Each R<sup>13</sup> is independently H; CF<sub>3</sub>; CN; COOR<sup>3</sup>; or C1-C10 alkyl substituted with 1-3 independent OR<sup>5</sup>, SR<sup>5</sup>, or NR<sup>5</sup>R<sup>5</sup>;

Each  $R^{16}$  is independently H, C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; aryl;  $R^8$ ; halo; haloalkyl; CF3; COOR<sup>5</sup>; C(O)R<sup>5</sup>; C(O)C(O)R<sup>5</sup>; C(O)NR<sup>5</sup>R<sup>5</sup>; S(O)<sub>n</sub>R<sup>5</sup>: S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; C1-C10 alkyl substituted with 1-3 independent aryl,  $R^7$ ,  $R^8$ , or phenyl optionally substituted with substituted with 1-4 independent  $R^{23}$ ; or C2-C10 alkenyl substituted with 1-3 independent aryl,  $R^7$  or  $R^8$ ;

Each R<sup>17</sup> is independently NR<sup>5</sup>R<sup>16</sup>; OR<sup>5</sup>; SR<sup>5</sup>; or halo;

Each  $R^{18}$  is independently C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; aryl;  $R^8$ ; halo; haloalkyl; CF<sub>3</sub>; COOR<sup>5</sup>; C(O)R<sup>5</sup>; C(O)C(O)R<sup>5</sup>; C(O)NR<sup>5</sup>R<sup>5</sup>; S(O)<sub>n</sub>R<sup>5</sup>: S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; C1-C10 alkyl substituted with 1-3 independent aryl,  $R^7$  or  $R^8$ ; or C2-C10 alkenyl substituted with 1-3 independent aryl,  $R^7$  or  $R^8$ ;

Each R<sup>19</sup> is independently H or C1-C6 alkyl;

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Each R<sup>20</sup> is independently NR<sup>5</sup>R<sup>18</sup>; OR<sup>5</sup>; SR<sup>5</sup>; or halo;

Each R<sup>21</sup> is independently t-butyl, 4-carboxyphenyl, 4-carboxyphenyl, or furyl substituted with 1-4 independent R<sup>4</sup>;

Each  $R^{22}$  is independently C2-C9 alkyl substituted with 1-2 independent aryl,  $R^7$ , or  $R^8$ ;

Each R<sup>23</sup> is independently selected from H, C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; aryl; R<sup>8</sup>; halo; haloalkyl; CF<sub>3</sub>; SR<sup>5</sup>; OR<sup>5</sup>; OC(O)R<sup>5</sup>; NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>R<sup>6</sup>; COOR<sup>5</sup>; NO<sub>2</sub>; CN; C(O)R<sup>5</sup>; C(O)C(O)R<sup>5</sup>; C(O)NR<sup>5</sup>R<sup>5</sup>; S(O)<sub>n</sub>R<sup>5</sup>: S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)C(O)R<sup>5</sup>; NR<sup>5</sup>C(O)R<sup>8</sup>; NR<sup>5</sup>C(O)R<sup>8</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>8</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>8</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>OR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>OR<sup>5</sup>R<sup>5</sup>; OS(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>OR<sup>5</sup>; P(O)(OR<sup>5</sup>)<sub>2</sub>; C1-C10 alkyl substituted with 1-3 independent aryl, R<sup>7</sup> or R<sup>8</sup>; or C2-C10 alkenyl substituted with 1-3 independent aryl, R<sup>7</sup> or R<sup>8</sup>;

Each  $R^{24}$  is independently selected from C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; aryl;  $R^9$ ; halo; sulfur; oxygen; CF<sub>3</sub>; SR<sup>5</sup>; OR<sup>5</sup>; OC(O)R<sup>5</sup>; NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>R<sup>6</sup>; NR<sup>6</sup>R<sup>6</sup>; COOR<sup>5</sup>; NO<sub>2</sub>; CN; C(O)R<sup>5</sup>; C(O)NR<sup>5</sup>R<sup>5</sup>; S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>C(O)R<sup>9</sup>; NR<sup>5</sup>S(O)<sub>n</sub>NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>S(O)<sub>n</sub>R<sup>9</sup>; C1-C10 alkyl substituted with 1-3 independent  $R^7$ ,  $R^9$  or aryl; or C2-C10 alkenyl substituted with 1-3 independent  $R^7$ ,  $R^9$  or aryl;

Each X is independently O or S;

Each V, W, Y, and Z is independently N or CR<sup>4</sup>;

Each haloalkyl is independently a C1-C10 alkyl substituted with one or more halogen atoms, selected from F, Cl, Br, or I, wherein the number of halogen atoms may not exceed that number that results in a perhaloalkyl group;

Each aryl is independently a 6-carbon monocyclic, 10-carbon bicyclic or 5 14-carbon tricyclic aromatic ring system optionally substituted with 1-3 independent C1-C10 alkyl; C2-C10 alkenyl; C2-C10 alkynyl; C3-C10 cycloalkyl; C4-C10 cycloalkenyl; R<sup>9</sup>; halo; haloalkyl; CF<sub>3</sub>; OR<sup>10</sup>; SR<sup>10</sup>; NR<sup>10</sup>R<sup>10</sup>; NR<sup>10</sup>R<sup>11</sup>; COOR<sup>10</sup>; NO<sub>2</sub>; CN; C(O)R<sup>10</sup>;  $C(O)C(O)R^{10}$ ;  $C(O)NR^{10}R^{10}$ ;  $N(R^{10})C(O)NR^{10}R^{10}$ ;  $N(R^{10})C(O)R^{10}$ ;  $N(R^{10})S(O)_{n}R^{10}$ ;  $N(R^{10})(COOR^{10}); NR^{10}C(O)C(O)R^{10}; NR^{10}C(O)R^9; NR^{10}S(O)_nNR^{10}R^{10}; NR^{10}S(O)_nR^9;$ NR<sup>12</sup>C(O)C(O)NR<sup>12</sup>R<sup>12</sup>; S(O)<sub>n</sub>R<sup>10</sup>; S(O)<sub>n</sub>NR<sup>10</sup>R<sup>10</sup>; OC(O)R<sup>10</sup>; C1-C10 alkyl substituted 10 with 1-3 independent R<sup>9</sup>, halo, CF<sub>3</sub>, OR<sup>10</sup>, SR<sup>10</sup>, OC(O)R<sup>10</sup>, NR<sup>11</sup>R<sup>11</sup>, NR<sup>10</sup>R<sup>10</sup>, NR<sup>10</sup>R<sup>11</sup>,  $COOR^{10}$ ,  $NO_2$ , CN,  $C(O)R^{10}$ ,  $OC(O)NR^{10}R^{10}$ ,  $C(O)NR^{10}R^{10}$ ,  $N(R^{10})C(O)R^{10}$ ,  $N(R^{10})$ (COOR<sup>10</sup>), S(O)<sub>n</sub>NR<sup>10</sup>R<sup>10</sup>; R<sup>10</sup>; or C2-C10 alkenyl substituted with 1-3 independent R<sup>9</sup>, halo, CF<sub>3</sub>, OR<sup>10</sup>, SR<sup>10</sup>, OC(O)R<sup>10</sup>, NR<sup>11</sup>R<sup>11</sup>, NR<sup>10</sup>R<sup>10</sup>, NR<sup>10</sup>R<sup>11</sup>, COOR<sup>10</sup>, NO<sub>2</sub>, CN  $C(O)R^{10}$ ,  $OC(O)NR^{10}R^{10}$ ,  $C(O)NR^{10}R^{10}$ ,  $N(R^{10})C(O)R^{10}$ ,  $N(R^{10})$  (COOR<sup>10</sup>), 15  $S(O)_{n}NR^{10}R^{10}$ ;

Each heterocyclyl is independently a 3-8 membered nonaromatic monocyclic, 8-12 membered nonaromatic bicyclic, or 11-14 membered nonaromatic tricyclic, ring system comprising 1-4 heteroatoms if monocyclic, 1-8 heteroatoms if bicyclic, or 1-10 heteroatoms if tricyclic, said heteroatoms independently selected from O, N, or S; and

Each heteroaryl is independently a 5-8 membered aromatic monocyclic, 8-12 membered aromatic bicyclic, or 11-14 membered aromatic tricyclic ring system comprising 1-4 heteroatoms if monocyclic, 1-8 heteroatoms if bicyclic, or 1-10 heteroatoms if tricyclic, said heteroatoms independently selected from O, N, or S.

2. The compound of claim 1 wherein,  $R^{1} \text{ is independently } R^{3}; \text{ and}$   $R^{2} \text{ is independently NHR}^{3}.$ 

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3. The compound of claim 1 wherein,

R<sup>2</sup> is independently NHR<sup>3</sup>. 4. The compound of claim 1 wherein, R<sup>1</sup> is independently phenyl optionally substituted with 1-5 independent R<sup>4</sup>; and R<sup>2</sup> is independently NHR<sup>3</sup>. 10 5. The compound of claim 1 wherein, Each R<sup>1</sup> and R<sup>2</sup> is independently NHR<sup>3</sup>. 15 6. The compound of claim 1 wherein, R<sup>1</sup> is independently NHR<sup>5</sup>; and R<sup>2</sup> is independently NHR<sup>3</sup>. · 20 7. The compound of claim 1 wherein, R<sup>1</sup> is independently NHR<sup>6</sup>; and R<sup>2</sup> is independently NHR<sup>3</sup>. 8. The compound of claim 1 wherein, 25 R<sup>1</sup> is independently OR<sup>5</sup>; and R<sup>2</sup> is independently NHR<sup>3</sup>. 9. The compound of claim 1 wherein, R<sup>1</sup> is independently SR<sup>5</sup>; and 30 R<sup>2</sup> is independently NHR<sup>3</sup>.

R<sup>1</sup> is independently heteroaryl optionally substituted with 1-4 independent

R<sup>4</sup> on each ring; and

#### 10. The compound of claim 1 wherein:

R<sup>2</sup> is independently NHR<sup>3</sup>; and

R<sup>1</sup> is one of the following groups:

$$\mathbb{R}^4$$
 $\mathbb{R}^4$ 
 $\mathbb{R}^4$ 
 $\mathbb{R}^4$ 
 $\mathbb{R}^4$ 
 $\mathbb{R}^4$ 

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### 11. The compound of claim 1 wherein,

R<sup>1</sup> is independently heterocyclyl optionally substituted with 1-4 independent R<sup>4</sup> on each ring, wherein said heterocyclyl is not unsubstituted piperidine; and

R<sup>2</sup> is independently NHR<sup>3</sup>.

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## 12. The compound of claim 1 wherein,

Each R<sup>1</sup> is independently heteroaryl substituted with 1-4 independent R<sup>4</sup> on each ring, wherein said heteroaryl comprises at least one nitrogen heteroatom and said heteroaryl is attached at said nitrogen heteroatom; and

Each R<sup>2</sup> is independently NHR<sup>3</sup>.

#### 13. The compound of claim 1 wherein,

Each R<sup>1</sup> is independently heterocyclyl substituted with 1-4 independent R<sup>4</sup> on each ring, wherein said heterocyclyl is not unsubstituted piperidine, and said

heterocyclyl comprises at least one nitrogen heteroatom and said heterocyclyl is attached at said nitrogen heteroatom; and

Each R<sup>2</sup> is independently NHR<sup>3</sup>.

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14. The compound of claim 1 wherein,
 Each R<sup>2</sup> is independently NHR<sup>3</sup>; and
 Each R<sup>1</sup> is independently of the formula:

$$R^4$$
 $R^4$ 
 $R^4$ 

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15. The compound of claim 1 wherein,

Each  $R^2$  is independently NHR<sup>3</sup>; and

Each  $R^1$  is independently of the formula:

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$$R^4$$
 $R^4$ 
 $R^4$ 
 $R^4$ 

16. The compound of claim 1 wherein,

Each R<sup>2</sup> is independently NHR<sup>3</sup>; and Each R<sup>1</sup> is independently of the formula:

$$R^4$$
 $R^4$ 
 $R^4$ 

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17. The compound of claim 1 wherein,

Each R<sup>2</sup> is independently NHR<sup>3</sup>; and

Each R<sup>1</sup> is independently of the formula:

$$R^{4}$$
 $R^{4}$ 
 $R^{4}$ 
 $R^{4}$ 

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18. The compound of claim 1 wherein,

Each R<sup>1</sup> is independently one of the following groups:

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wherein m is 0, 1, 2, 3 or 4.

19. The compound of claim 1 wherein,

Each R<sup>1</sup> is independently

wherein m is 0, 1, 2, 3 or 4.

20. The compound of claim 1 wherein,

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# Each R<sup>1</sup> is independently one of the following:

$$R^{19} \xrightarrow{N} \text{ or } R^{4} \xrightarrow{M} \text{ or } R^{4} \xrightarrow{M}$$

$$R^{19}$$
 or  $R^{19}$   $R^4$   $R^4$   $R^4$   $R^4$   $R^4$   $R^4$ 

$$R^{19}$$
 N halo or  $R^{19}$   $R^4$   $R^4$   $R^4$   $R^4$   $R^4$   $R^4$   $R^4$ 

or 
$$R^{19}$$
  $N$   $R^4$   $R^4$   $R^5$ 

wherein the groups are as defined in claim 1.

21. The compound of claim 1 wherein,

Each R<sup>1</sup> is independently

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$$R^4$$
 $R^4$ 
 $R^4$ 
 $R^4$ 

wherein R<sup>19</sup> is independently H or C1-C6 alkyl.

- 22. A composition comprising a compound of any of claims 1-21 and a pharmaceutically acceptable carrier.
  - 23. The composition of claim 22, further comprising at least one additional therapeutic agent.
  - 24. A method of treating kinase-mediated disease or disease symptoms in a mammal comprising administration of a composition comprising a compound of any of claims 1-21.
  - 25. A method of inhibiting kinase activity in a mammal comprising administration of a composition comprising a compound of any of claims 1-21.
- 26. A method of treating disease or disease symptoms in a mammal comprising administration of a composition comprising a compound of any of claims 1-21.

- 27. A method of inhibiting angiogenesis or vasculogenesis activity in a mammal comprising administration of a composition comprising a compound of any of claims 1-21.
- 28. A method of making a pharmaceutically useful composition comprising combining a compound of any of claims 1-21 with one or more pharmaceutically acceptable carriers.
- 29. The method of claim 28, further comprising combining an additional therapeutic agent.
  - 30. A method of making a compound of claim 1 of the formula

$$R^2$$
  $N$   $N$   $R^1$ 

wherein

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Each R<sup>1</sup> and R<sup>2</sup> is independently R<sup>3</sup>; R<sup>8</sup>; NHR<sup>3</sup>; NHR<sup>5</sup>; NHR<sup>6</sup>; NR<sup>5</sup>R<sup>5</sup>; NR<sup>5</sup>R<sup>6</sup>; SR<sup>5</sup>; SR<sup>6</sup>; SR<sup>3</sup>; OR<sup>5</sup>; OR<sup>6</sup>; OR<sup>3</sup>; C(O)R<sup>3</sup>; heterocyclyl optionally substituted with 1-4 independent R<sup>4</sup> on each ring; or C1-C10 alkyl substituted with 1-4 independent R<sup>4</sup>;

Each  $R^3$  is independently aryl; phenyl optionally substituted with 1-5 independent  $R^4$  on each ring; or heteroaryl optionally substituted with 1-4 independent  $R^4$  on each ring; comprising the steps of:

a) reacting a compound of formula (II) wherein each L is independently a leaving group as defined herein, with a nucleophile of formula H-R<sup>1</sup> (or salt thereof) to give a compound of formula (III); and

- b) reacting the compound of formula (III) with a nucleophile of formula H-R<sup>2</sup> (or salt thereof) to give a compound of formula (I).
- 5 31. A method of making a compound of claim 1 comprising reacting a triazine of one or more of the formulae:

with an appropriate nucleophilic agent or agents, wherein L is a leaving group and the other groups in said formulae are as defined in claim 1.